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ABSTRACT

The School District of Philadelphia (Pennsylvania) conducted a study to determine whether full-day kindergarten (FDK), in comparison with half-day kindergarten (HDK), produced positive effects on student attendance and achievement. Research questions concerned differences between full- and half-day kindergarten programs regarding attendance patterns, achievement on city-wide tests, and percentages of children scoring at or above the 50th percentile and below the 16th percentile on city-wide tests. During the 1987-1988 school year, 4,596 students attended FDK and 9,146 attended HDK. Average daily attendance (ADA) for October, 1987 was 90.3 percent for FDK and 89.1 percent for HDK. By April, 1988, ADA was 86.8 percent for FDK and 83.5 percent for HDK. Analyses of city-wide achievement data showed statistically significant differences in favor of FDK in reading and mathematics. In reading, 43.9 percent of children in FDK scored at or above the national 50th percentile compared with 34.5 percent in HDK. In mathematics, 69.8 percent of children in FDK scored at or above the national 50th percentile compared with 58.9 percent in HDK. Fewer FDK children than HDK children scored below the 16th percentile in reading and mathematics. Attendance and achievement data by school and district are appended. (RH)

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AN ANALYSIS OF ATTENDANCE AND ACHIEVEMENT FOR FULL-DAY AND HALF-DAY KINDERGARTEN

1987-1988

REPORT NO. 8911

JANUARY, 1989

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Report No. 8911
January, 1989

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EXECUTIVE SUMMARY

During the 1987-1988 school year, approximately 4,596 students attended Full-Day Kindergarten and 9,146 students attended Half-Day Kindergarten.

Average daily attendance (ADA) for October, 1987 was 90.3% for Full-Day Kindergarten and 89.1% for Half-Day Kindergarten. By April, 1988 this difference had widened with an ADA of 86.8% for Full-Day K versus an ADA of 83.5% for Half-Day K.

Analyses of citywide achievement data showed statistically significant differences in favor of Full-Day Kindergarten in both Reading and Mathematics. In Reading, 43.9% of the children in Full-Day K scored at/above the national 50th percentile compared with 34.5% in Half-Day K. In Mathematics, 69.8% of the children in Full-Day K scored at/above the national 50th percentile compared with 58.9% in Half-Day K.

Similarly, there were fewer Full-Day K children scoring below the 16th percentile than Half-Day K children in both Reading and Mathematics, i.e., 10.9% versus 16.3% in Reading, and 12.9% versus 18.9% in Mathematics.

PROGRAM DESCRIPTION

In 1987-1988 the School District had 172 Full-Day Kindergarten classes and 344 Half-Day classes. Approximately 4,596 students attended Full-Day K, and 9,146 students attended Half-Day K.

As can be seen from the table below, Districts 2 and 4 had the largest number of Full-Day classes, 38 and 33 respectively. Districts 5 and 7 had the lowest number of Full-Day classes, 11 and 16 respectively.[1]

TABLE 1

NUMBER OF KINDERGARTEN CLASSES AND ENROLLMENT BY DISTRICT (SPRING, 1988)

District	Full Day		Half Day	
	No. of Classes	Enrollment	No. of Classes	Enrollment
1	26	649	53	1511
2	38	943	38	933
4	33	863	41	1026
5	11	288	64	1733
6	25	700	36	998
7	16	481	70	1858
8	23	672	40	1087
Total City	172	4,596	344	9,146

1. For information regarding teacher and principal perceptions of Full-Day Kindergarten see Report #8834, Interim Report of Full-Day Kindergarten 1987-1988.

THE MAJOR PURPOSE OF THE STUDY

THE MAJOR PURPOSE OF THIS STUDY WAS TO DETERMINE WHETHER FULL-DAY KINDERGARTEN IS HAVING POSITIVE EFFECTS ON STUDENT ATTENDANCE AND ACHIEVEMENT, WHEN COMPARED WITH HALF-DAY KINDERGARTEN.

The following areas were the main focus of the study:

. Average daily attendance (ADA) for both Full-Day K and Half-Day K was analyzed for October, 1987 and April 1988 and comparisons were made. (A detailed analysis by school and district is included in Appendix A.)

. Achievement date from the Spring, 1988 administration of Citywide Tests were analyzed for both Full-Day K and Half-Day K and comparisons were made. (A detailed analysis by school and district is included in Appendices B & C.)

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RESEARCH QUESTION ONE

WAS THERE ANY DIFFERENCE IN ATTENDANCE PATTERNS BETWEEN FULL-DAY KINDERGARTEN AND HALF-DAY KINDERGARTEN?

Table 2

Enrollment (ENR) and Average Daily Attendance (ADA) for October, 1987 and April, 1988, for Full-Day Kindergarten and Half-Day Kindergarten by District and Total City

	FULL DAY							HALF DAY						
District	No. of Classes	October, 1987 ENR	ADA	%	April, 1988 ENR	ADA	%	No. of Classes	October, 1987 ENR	ADA	%	April, 1988 ENR	ADA	%
1	26	663	596	90	649	574	88	53	1462	1280	88	1511	1228	81
2	38	932	839	90	943	803	85	38	928	833	90	933	793	85
4	33	839	746	89	863	743	86	41	1023	891	87	1026	836	81
5	11	303	269	89	288	238	83	64	1705	1512	89	1733	1462	84
6	25	697	636	91	700	619	88	38	973	854	88	998	810	81
7	16	449	406	90	481	409	85	70	1859	1688	91	1858	1574	85
8	23	657	610	93	672	606	90	40	1070	980	92	1087	938	86
Total City	172	4540	4102	90.3	4596	3992	86.8	344	9020	8038	89.1	9146	7641	83.5

- Average daily attendance (ADA) was 90.3% for Full-Day K citywide and 89.1% for Half-Day K in October, 1987
- In April 1988, average daily attendance was 86.8% for Full-Day K versus 83.5% for Half-Day K citywide
- Attendance tended to decrease from October, 1987 to April 1988. However, the decrease was greater for Half-Day K, i.e. a 5.6% decrease compared with a 3.5% decrease for Full-Day K citywide
- Attendance differences in favor of Full-Day K were more apparent in April 1988; particularly in Districts 1 and 6 where there was a 7% difference in ADA
- Specific school data can be found in Appendix A

RESEARCH QUESTION TWO

WAS THERE ANY DIFFERENCE IN ACHIEVEMENT ON CITYWIDE TESTS BETWEEN FULL-DAY KINDERGARTEN AND HALF-DAY KINDERGARTEN?

Table 3

National Percentile Rank of Mean on Citywide Tests, Spring, 1988
Comparing Full Day K Performance with Half Day K Performance in
Reading and Mathematics by District and Total City

DISTRICT	READING				MATHEMATICS			
	FULL DAY		HALF DAY		FULL DAY		HALF DAY	
	N	%ile Rank of Mean	N	%ile Rank of Mean	N	%ile Rank of Mean	N	%ile Rank of Mean
1	638	46	1,367	38	629	70	1,357	48
2	898	39	833	41	898	63	824	57
4	839	41	962	39	840	62	956	55
5	273	35	1,435	30	272	48	1,399	40
6	688	60	946	41	686	80	933	55
7	464	49	1,660	42	460	70	1,647	55
8	666	63	1,121	56	655	84	1,112	76
TOTAL CITY	4,466	48	8,324	40	4,440	70	8,228	55

- In Reading, Full-Day K exceeded Half-Day K by 8 percentile points citywide, i.e. the 48th percentile versus the 40th percentile.
- In Mathematics, Full-Day K exceeded Half-Day K by 15 percentile points citywide, i.e. the 70th percentile compared with the 55th percentile.
- In every district, with the exception of Districts 2 and 4, where no real difference existed, Full-Day K outperformed Half-Day K in Reading by 5 - 19 percentile points.
- In Mathematics, Full-Day K exceeded Half-Day K in every district by 6 - 25 percentile points.
- In both Reading and Mathematics, the most marked differences between Full-Day K and Half-Day K were in District 6, where Full-Day K excelled by 19 percentile points in Reading and 25 percentile points in Math.

RESEARCH QUESTION THREE

WERE THERE ANY DIFFERENCES BETWEEN FULL-DAY KINDERGARTEN AND HALF-DAY KINDERGARTEN IN PERCENTAGES OF CHILDREN SCORING AT/ABOVE THE 50TH PERCENTILE (>50TH %ILE) AND BELOW THE 16TH PERCENTILE (<16TH %ILE) ON CITYWIDE TESTS?

Table 4

Percentages of Kindergarten Children Scoring Below National 16th Percentile (<16th) and At or Above the National 50th Percentile (>50th) on Citywide Tests, Spring, 1988 Comparing Full Day K Performance with Half Day K Performance in Reading and Mathematics by District and Total City

DISTRICT	READING						MATHEMATICS					
	FULL DAY			HALF DAY			FULL DAY			HALF DAY		
	N	<16th %ile	>50th %ile	N	<16th %ile	>50th %ile	N	<16th %ile	>50th %ile	N	<16th %ile	>50th %ile
1	638	9.1	41.7*	1,367	18.1	33.3	629	12.2	70.1*	1,357	21.7	57.4
2	898	15.1	31.6	833	16.2	35.2	898	16.5	63.7*	824	18.0	59.7
4	839	14.2	34.6*	962	15.6	29.9	840	16.1	63.1*	956	18.8	58.3
5	273	19.4	27.1*	1,435	26.5	21.0	272	22.8	53.7*	1,399	27.5	47.0
6	688	8.0	61.0*	946	12.6	32.6	686	8.5	78.4*	933	18.4	60.5
7	464	6.5	44.8*	1,660	14.4	36.6	460	11.7	72.0*	1,647	17.0	58.0
8	666	5.7	61.4*	1,121	7.5	55.4	655	6.1	82.7*	1,112	8.4	75.9
TOTAL CITY	4,466	10.9	43.9*	8,324	16.3	34.5	4,440	12.9	69.8*	8,228	18.9	58.9

*Differences between Full-Day and Half-Day were significant in favor of Full-Day K based on two sample differences of proportion tests

- In Reading, 43.9% of the children in Full-Day K across the city scored at/above the 50th percentile compared with 34.5% in. Half-Day. This difference was highly significant statistically.
- Similarly significantly fewer children scored below the 16th percentile in Full-Day K citywide in Reading, i.e., 10.9% as compared with 16.3% in Half-Day citywide.
- In Mathematics, 69.8% of the children in Full-Day K citywide scored at/above the 50th percentile compared with 58.9% in Half-Day K. This difference was highly significant statistically.
- Full-Day K also performed significantly better than Half-Day K in percentages of children scoring below the 16th percentile in Mathematics, i.e., 12.9% compared with 18.9%.
- With the exception of District 2, Reading (where there was no real difference), Full-Day significantly outperformed Half-Day K in every district in Reading and Mathematics. Again the most marked difference was in District 6, where 28% more children scored above the 50th percentile.

SUMMARY AND CONCLUSIONS

Preliminary data comparing Full-Day Kindergarten with Half-Day Kindergarten for the 1987-1988 school year show promising results in favor of Full-Day Kindergarten. In both Reading and Mathematics, 9.4% to 10.9% more children scored at/above the national 50th percentile in Full-Day Kindergarten and conversely 5.4% to 6% fewer children scored below the national 16th percentile.

Attendance patterns tend to indicate that attendance was somewhat more stable for Full-Day Kindergarten over the course of the year than for Half-Day Kindergarten.

APPENDIX A

AVERAGE DAILY ATTENDANCE (ADA) BY SCHOOL AND DISTRICT

OCTOBER, 1987 AND APRIL, 1988

DISTRICT 1

ATTENDANCE

			FULL DAY						HALF DAY						
				10-87			4-88			10-87			4-88		
School	Code	RSB	@ENR	ADA	%	ENR	ADA	%	RSB	@ENR	ADA	%	ENR	ADA	%
Anderson	146								108a/p	80	71	89	76	66	87
Barry	120								107a,111a/p	86	74	86	92	75	82
Belmont	121								101a/p	51	45	88	56	41	73
Blankenburg	149	K4,K1,K29	63	57	90	62	53	85							
Bryant	123								101a/p,103a	85	74	87	86	69	80
Catherine	125								106a/p,107a/p	109	104	95	110	106	96
Conegys	126								K2a,K1a/p	88	75	85	95	80	84
Daroff	148								110a/p,108a/p	105	93	89	119	94	79
Drew	127	206B	29	26	90	30	26	87	101a/p	29	21	72	26	20	77
Hamilton	129								128a/p	60	55	92	69	55	80
Harrington	130								A1a/p,A3a/p	120	102	85	120	88	73
Harrity	131								1a/p	59	51	86	59	48	81
Huey	133								104a/p,102a/p	109	91	83	119	100	84
Locke	147	115,203,113	75	65	87	80	68	85							
Lea	134	6(K-1)	10	9	90	10	9	90	101a/p	54	46	85	52	43	83
Longstreth	135	1,2,3,4	103	95	92	99	91	92							
McMichael	136	104,106,108	93	75	81	81	71	88							
Mitchell	137								102a,PTa/p,101a/p	140	123	88	143	111	78
Morton	138								200a/p,208a/p	129	115	89	120	97	81
Patterson	140								101a,102a/p,110a/p	123	110	89	130	104	80
Penrose	144	105,111,121	82	75	91	80	72	90							
Povel	139	103,101	44	43	98	49	46	94							
Rhoads	141	104,102,206	78	70	90	71	67	94							
M.Washington	142	102,101,103	86	81	94	87	71	82							
Wilson	143								B1a/p	35	30	86	39	31	79
Total		26	663	596		649	574			53 1462	1280		1511	1228	81
Percent				89.9			88.4				87.6			81.2	

DISTRICT 2

ATTENDANCE

		FULL DAY						HALF DAY					
			10-87			4-88			10-87			4-88	
School	Code	RSB	@ENR	ADA	I	ENR	ADA	I	RSB	@ENR	ADA	I	ENR	ADA	I
Alcorn	220	108,101,103	70	62	89	70	58	83							
Arthur	248								105a/p	48	48	100	52	52	100
Bache Martin	221	121	21	20	95	26	24	92	102a/p	46	39	85	43	35	81
Bregy	224								K1a,KHa/p,KPa/p,KQa/p	167	148	89	169	142	84
Childs	226	112,111,109	69	63	91	66	60	91							
Durham	230	13,12	57	53	93	58	50	86							
Fell	219	K,2,7	60	56	93	56	45	80							
Girard	232								100a/p,101a/p	120	106	88	121	99	82
Greenfield	247	111,112	56	54	96	53	49	92							
Jackson	251								109a/p	54	44	81	52	44	85
Jenks	252								101a/p	50	47	94	52	44	85
Key	254	6,10	43	41	95	46	41	89							
Kirkbride	258								101a/p	56	53	95	59	51	86
McCall	234	102	24	23	96	24	23	96	105a/p	45	40	89	45	41	91
Meredith	238								105a/p	56	55	98	54	51	94
McDaniel	237	101,103,105	67	62	93	69	61	88							
Morris	239	100,101,204	81	67	83	85	68	80							
Nebinger	259	102,81	58	53	91	58	42	72							
Palumbo	243	109	32	28	88	32	31	97							
Peirce	240	101	30	26	87	26	23	88							
Reynolds	242	103,106,107,109	90	80	89	88	71	81							
Sharswood	263								105a/p,109a/p	75	70	93	69	54	78
Smith	244								101a/p,104a/p	115	99	86	112	95	85
Southwark	264								115a/p	46	39	85	47	37	79
Stanton	245	107	29	23	79	27	21	78							
Taggart	269								200a/p,201a	50	45	90	58	48	83
Vare	272	104,102	59	52	88	61	54	89							
Waring	249	107.103	55	49	89	52	44	85							
G.Washington	273	110,108	31	27	87	46	38	83							
Total		38	932	839		943	803			38	928	833		933	793	
Percent				90.0			85.1					89.8			84.9	

DISTRICT 4

ATTENDANCE

School	Code	RSB	FULL DAY 10-87 @ENR	10-87 ADA	10-87 %	4-88 ENR	4-88 ADA	4-88 %
Allen	444							
Blaine	422	101,100,102	76	63	83	82	73	89
Cassidy	424	4,3	44	39	89	44	40	91
Cleveland	426	1,2,3	91	83	91	97	83	86
Dick	427	112,109,108	81	68	84	78	68	87
Douglass	451	106,107,111,110	86	77	90	94	81	86
Duckrey	446							
Gideon	453	104,111	53	48	91	56	48	86
Gompers	428							
Hanna	429							
Heston	430							
Hill	445	108,107,105	77	67	87	74	61	82
Kelley	456	102,100,109	89	85	96	95	80	84
Kenderton	431							
Lamberton	432							
Leidy	433							
Mann	434	103,B6,B5	68	62	91	66	58	88
Meade	457	15,16,103,110	99	86	87	99	82	83
Peirce	438							
Pratt	439							
Stanton	440	100,104,101	75	68	91	78	69	88
Walton	442							
Whittier	443							
Wright	447							
Total		33	839	746		863	743	
Percent				88.9			86.0	

RSB	HALF DAY 10-87 @ENR	10-87 ADA	10-87 %	4-88 ENR	4-88 ADA	4-88 %
107a/p,109a/p	100	89	89	95	78	82
31a/p	41	38	93	44	38	86
111a/p,128a/p	110	96	87	114	89	78
101a/p	38	35	92	39	34	87
12a/p,11a/p	95	89	94	97	79	81
112a/p,Port.a	77	70	91	84	69	82
101a,103a/p	73	61	84	72	57	79
1a/p	40	38	95	50	41	82
Aa/p	53	48	91	49	42	86
3a/p,4a/p	96	74	77	91	68	75
102a/p	62	55	89	60	50	83
113a/p	63	57	90	59	53	90
8a,9a/p,13a/p	126	98	78	123	98	80
114a/p	49	43	88	49	40	82
	41 1023	891		1026	836	
		87.1			81.4	

DISTRICT 5

ATTENDANCE

			FULL DAY							HALF DAY						
				10-87			4-88				10-87			4-88		
School	Code	RSB	@ENR	ADA	I	ENR	ADA	I	RSB	@ENR	ADA	I	ENR	ADA	I
Adaire	520								109a/p	58	56	97	64	63	98
Brown	521	101	20	19	95	21	18	86	100a/p	40	38	95	38	34	89
Clymer	522								203a/p,100a/p,211Ka	141	117	83	128	106	83
Cramp	547								108a/p,110a/p (05a/p)	118	113	96	168	150	89
Dunbar	525								207a/p	52	47	90	50	43	86
Elkin	526								201a/p,202a/p	123	105	85	122	97	80
Fairhill	528								102a/p,105a	86	83	97	77	71	92
Ferguson	529								3Aa/p,7a/p	109	83	76	99	77	78
Hackett	530								110a/p	61	55	90	62	52	84
Harrison	531								B1a/p	53	45	85	49	39	80
Hartranft	532	118,117,116,114	114	98	86	113	88	78							
Hunter	533								3a/p,6a	75	67	89	83	76	92
Kearny	548								100a/p	45	41	91	45	36	80
Ludlow	534	104,108	69	59	86	59	49	83							
Moffet	537								112a/p,206a	79	71	90	83	66	80
McKinley	535	2,1	60	55	92	58	51	88							
PotterThomas	539	102A,102L	40	38	95	37	32	86	103Aa/p103La/p	88	78	89	76	62	82
Richmond	540								109a/p	64	61	95	61	55	90
Sheppard	541								100a/p	61	56	92	64	56	88
Sheridan	553								108a/p,101a/p	109	96	88	118	93	79
Sp.Garden	556								105a/p	51	44	86	51	40	78
Webster	559								103a/p,112a/p	120	107	89	120	103	86
Welsh	542								100a/p,102a/p	93	79	85	87	72	83
Willard	544								6a/p,7a/p	79	70	89	88	71	81
Total			11	303	269	89	288	238		64	1705	1512		1733	1462	
Percent					88.8			82.6				88.7			84.3	

DISTRICT 6

ATTENDANCE

FULL DAY

School	Code	RSB	@ENR	10-87 ADA	10-87 I	ENR	4-88 ADA	4-88 I
Cook-Wissah	641	1,2,3	90	81	90	90	83	92
Day	620							
Dobson	645	101	26	24	92	28	25	89
Edmonds	621	104,105	59	57	97	50	47	94
Emlen	622							
Fulton	624	106,Annex	59	55	93	60	51	85
Henry	625	110,109,108	85	79	93	88	78	89
Houston	626	108,107,109	79	73	92	81	75	93
Jenks	627	5,1	48	46	96	49	45	92
Kelly	647							
Kinsey	628	B5,B4,B2	87	77	89	78	66	85
Levering	629							
Lingelbach	644	200,200A	54	43	80	61	48	79
Logan	630							
McClosky	631	102,104	60	57	95	63	59	94
Mifflin	632	4,3	50	44	88	52	42	81
Pastorius	633							
Pennell	634							
Pennypacker	635							
Shawmont	638							
Steel	639							
Wister	643							
Total			25	697	636	700	619	
Percent					91.2		88.4	

HALF DAY

RSB	@ENR	10-87 ADA	10-87 I	ENR	4-88 ADA	4-88 I
104a/p	58	51	88	58	47	81
107a/p,109a/p	98	85	87	99	77	78
1a/p,3a/p,4a/p	176	153	87	177	143	81
103a/p	33	31	94	37	28	76
104a/p,108a	86	77	90	89	70	79
105a,101a/p,100a/p	113	101	89	116	94	81
102a/p,105a	83	71	86	88	75	85
101a/p,4a	73	69	95	87	78	90
106a/p	49	44	90	47	39	83
107a/p,109a/p	117	100	85	122	95	78
108a/p,109a	87	72	83	78	64	82
	38 973	854		998	810	
		87.8			81.1	

DISTRICT 7

ATTENDANCE

			FULL DAY							HALF DAY						
				10-87			4-88				10-87			4-88		
School	Code	RSB	@ENR	ADA	%	ENR	ADA	%		RSB	@ENR	ADA	%	ENR	ADA	%
Barton	720									111a/p,100a/p	93	85	91	103	83	81
Bethune	751	5,4,2,1	93	87	94	112	96	86								
Birney	721									114a/p,110a/p,109a/p,105a/p	219	189	86	218	186	85
Bridesburg	747									303a/p	60	56	93	62	57	92
Carnell	722									101a/p,104a	89	80	90	91	81	89
Creighton	724									101a/p	59	55	93	52	43	83
Edmunds	725									101a/p,105a/p	105	99	94	105	89	85
Ellwood	726	110,109,100	90	85	94	92	86	93								
Feltonville	731									1a/p	61	55	90	64	52	81
Finletter	727									102a/p,101a/p	76	71	93	75	66	88
Franklin	728									6a/p,9a	68	63	93	61	58	95
Hopkinson	730									P-1a/p	49	43	88	46	40	87
Howe	732									7a/p	38	36	95	39	28	72
Lawton	733									104a/p,102a/p	122	114	93	118	104	88
Lowell	735									105a/p,107a,108a/p	150	138	92	149	128	86
Marshall	736									106a/p	69	61	88	68	57	84
McClure	738									Porta/p,C-1a/p,C-2a/p	174	154	89	169	143	85
Morrison	739									T-11a/p,T-12a/p	78	73	94	84	75	89
Olney	740									A-1a/p	60	53	88	60	50	83
Prince Hall	749	106,105,103	89	67	75	92	80	87								
Roven	753	101,102,104	88	83	94	95	68	72								
Saedley	742									Pa/p,109a	88	77	88	88	74	84
Stearne	729	101,103	59	56	95	60	52	87								
Sullivan	743									103a/p,101a/p	101	99	98	102	82	80
Taylor	744									B4a/p,B5a/p	100	87	87	104	78	75
Ziegler	746	105	30	28	93	30	27	90								
Total			16 449	406	90	481	409				70 1859	1688		1858	1574	
Percent				90.4			85.0					90.8			84.7	

DISTRICT 8

ATTENDANCE

FULL DAY

School	Code	RSB	@ENR	10-87 ADA	%	ENR	4-88 ADA	%
Allen	820							
Brown	821	107, 108	60	54	90	58	51	88
Comly	837							
Crossan	823							
Decatur	842	K1,K2,103,104,105	139	131	94	141	124	88
Disston	824							
Farrell	838	100	26	24	92	27	23	85
Fitzpatrick	839	5,6,7,10,12	134	124	93	143	127	89
Forrest	825							
Fox Chase	826							
Ann Frank	840							
Greenberg	843	108,106	60	57	95	62	57	92
Hancock	818							
Holme	827							
Loesche	844							
Mayfair	830	114,115	59	54	92	60	55	92
Moore	831	102,101,114	89	85	96	89	85	96
Pollock	841	101,100,15	90	81	90	92	84	91
Rhawnhurst	836							
Solis-Cohen	834							
Spruance	835							
Total		23	657	610		672	606	
Percent				92.8			90.1	

HALF DAY

RSB	@ENR	10-87 ADA	%	ENR	4-88 ADA	%
101 a/p	59	53	90	59	52	88
101 a/p	57	54	95	60	51	85
K2a/p,K1p	68	63	93	69	62	90
101a/p,108a/p	102	91	89	99	88	89
103a/p,102a/p,101a/p	167	152	91	166	140	84
B1a/p	60	56	93	59	51	86
108a/p	59	53	90	61	51	84
211a,219a/p	81	76	94	84	74	88
62a/p,64a/p,65a/p	162	144	89	161	136	84
B2a,B5a/p	95	87	92	101	85	84
100a/p	49	44	90	49	43	88
25a/p	55	53	96	61	53	87
120a/p,118a	56	54	96	58	52	90
40	1070	980		1087	938	
		91.5			86.2	

APPENDIX B

CWT ACHIEVEMENT, SPRING 1988

FULL-DAY KINDERGARTEN BY SCHOOL AND DISTRICT

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CNT

DISTRICT ONE

			FULL DAY READG								FULL DAY MATH						
School	Code	RSB	N	M NCE	NxM NCE	<16	%	>50	%	N	M NCE	NxM NCE	<16	%	>50	%
Anderson	146															
Barry	120															
Belmont	121															
Blankenburg	149	K4,K1,K29	62	52	3224	4	6	34	55	60	68	4080	4	7	47	78
Bryant	123															
Catherine	125															
Comegys	126															
Daroff	148															
Drew	127	206B	32	55	1760	1	3	22	69	32	64	2048	4	13	25	78
Hamilton	129															
Harrington	130															
Harrity	131															
Huey	133															
Locke	147	115,203,113	79	38	3002	13	16	13	16	79	42	3318	19	24	31	39
Lea	134	6(K-1)	8	53	424	0	0	4	50	8	64	512	2	25	6	75
Longstreth	135	1,2,3,4	96	44	4224	9	9	28	29	92	66	6072	4	4	69	75
McMichael	136	104,106,108	69	40	2760	13	19	17	25	68	47	3196	16	24	39	57
Mitchell	137															
Morton	138															
Patterson	140															
Penrose	144	105,111,121	80	53	4240	3	4	45	56	80	62	4960	9	11	57	71
Povel	139	103,101	47	56	2632	3	6	26	55	47	78	3666	2	4	42	89
Rhoads	141	104,102,206	80	58	4640	0	0	53	66	79	77	6083	0	0	73	92
M.Washington	142	102,101,103	85	43	3655	12	14	24	28	84	53	4452	17	20	52	62
Wilson	143															
Total		26	638		30561	58		266		629		38387	77		441	
Percent						9.1		41.7					12.2		70.1	
				Group	47.9						Group	61.0				

KEY: RSB = Room number
N = Number of children tested
MNCE = Mean Normal Curve Equivalent
NXMNCE = Number of children multiplied by Mean Normal Curve Equivalent
<16 = Number of children scoring below the 16th percentile
% = Percentage of children scoring below the 16th percentile
>50 = Number of children scoring at/above the 50th percentile
% = Percentage of children scoring at/above the 50th percentile

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CMT

DISTRICT TWO

School	Code	RSB	FULL DAY READG N	M NCE	NxM NCE	<16	%	>50	%	FULL DAY MATH N	M NCE	NxM NCE	<16	%	>50	%
Alcorn	220	108,101,103	68	38	2584	17	25	11	16	69	49	3381	12	17	38	55
Arthur	248															
Bache Martin	221	121	20	52	1040	2	10	8	40	20	67	1340	1	5	16	80
Bregy	224															
Childs	226	112,111,109	61	46	2806	5	8	24	39	61	67	4087	8	13	44	72
Durham	230	13,12	59	45	2655	9	15	19	32	58	65	3770	9	16	42	72
Fell	219	K,2,7	56	54	3024	4	7	35	63	55	68	3740	8	15	42	76
Girard	232															
Greenfield	247	111,112	55	61	3355	0	0	40	73	56	75	4200	3	5	49	88
Jackson	251															
Jenks	252															
Key	254	6,10	33	46	1518	5	15	8	24	33	54	1782	6	18	17	52
Kirkbride	258															
McCall	234	102	26	57	1482	1	4	17	65	26	79	2054	0	0	25	96
Meredith	238															
McDaniel	237	101,103,105	68	49	3332	5	7	33	49	68	65	4420	7	10	51	75
Morris	239	100,101,204	79	41	3239	10	13	17	22	79	61	4819	7	9	54	68
Nebinger	259	102,B1	52	29	1508	22	42	4	8	54	49	2646	12	22	28	52
Palumbo	243	109	31	42	1302	3	10	6	19	31	45	1395	5	16	14	45
Peirce	240	101	27	36	972	4	15	2	7	27	58	1566	3	11	20	74
Reynolds	242	103,106,107,109	83	44	3652	9	11	23	28	83	53	4399	16	19	49	59
Sharswood	263															
Smith	244															
Southwark	264															
Stanton	245	107	26	51	1326	1	4	14	54	26	73	1898	1	4	24	92
Taggart	269															
Vare	272	104,102	59	39	2301	10	17	12	20	57	42	2394	16	28	29	51
Waring	249	107.103	49	38	1862	15	31	7	14	49	34	1666	19	39	15	31
G.Washington	273	110,108	46	36	1656	14	30	4	9	46	36	1656	15	33	15	33
Total		38	898		39614	136		284		898		51213	148		572	
Percent						15.1		31.6					16.5		63.7	
				Group	44.1						Group	57.0				

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CNT

DISTRICT FOUR

School	Code	RSB	FULL DAY READG N	M	NCE	NxN	NCE	<16	%	>50	%	FULL DAY MATH N	M	NCE	NxN	NCE	<16	%	>50	%
Allen	444																			
Blaine	422	101,100,102	78	41		3198		12	15	14	18	78	39		3042		23	29	27	35
Cassidy	424	4,3	40	59		2360		3	8	29	73	40	82		3280		1	3	38	95
Cleveland	426	1,2,3	94	52		4888		5	5	44	47	94	60		5640		14	15	65	69
Dick	427	112,109,108	78	42		3276		16	21	24	31	79	52		4108		14	18	50	63
Douglass	451	106,107,111,110	93	39		3627		18	19	15	16	93	55		5115		14	15	60	65
Duckrey	446																			
Gideon	453	104,111	55	51		2805		7	13	29	53	55	72		3960		3	5	39	71
Goapers	428																			
Hanna	429																			
Heston	430																			
Hill	445	108,107,105	71	51		3621		4	6	30	42	71	72		5112		1	1	60	85
Kelley	456	102,100,109	90	40		3600		14	16	21	23	90	46		4140		18	20	47	52
Kenderton	431																			
Lamberton	432																			
Leidy	433																			
Mann	434	103,B6,B5	67	47		3149		8	12	29	43	67	52		3484		14	21	40	60
Meade	457	15,16,103,110	97	40		3880		23	24	18	19	96	43		4128		29	30	43	45
Peirce	438																			
Pratt	439																			
Stanton	440	100,104,101	76	49		3724		9	12	37	49	77	68		5236		4	5	61	79
Walton	442																			
Whittier	443																			
Wright	447																			
Total		33	839			38128		119		290		840			47245		135		530	
Percent								14.2		34.6							16.1		63.1	
					Group	45.4								Group	56.2					

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CNT

DISTRICT FIVE

School	Code	RSB	FULL DAY READG N	M NCE	NxM NCE	<16	%	>50	%	FULL DAY MATH N	M NCE	NxM NCE	<16	%	>50	%
Adaire	520															
Brown	521	101	21	51	1071	2	10	13	62	21	64	1344	2	10	16	76
Clymer	522															
Cramp	547															
Dunbar	525															
Elkin	526															
Fairhill	528															
Ferguson	529															
Hackett	530															
Harrison	531															
Hartranft	532	114,116,117,118	114	37	4218	29	25	17	15	112	35	3920	39	35	38	34
Hunter	533															
Kearny	548															
Ludlow	534	104,108	59	50	2950	2	3	24	41	59	66	3894	7	12	39	66
Moffet	537															
McKinley	535	2,1	55	33	1815	19	35	3	5	56	46	2576	13	23	33	59
PotterThomas	539	102A,102L	24	54	1296	1	4	17	71	24	68	1632	1	4	20	83
Richmond	540															
Sheppard	541															
Sheridan	553															
Sp.Garden	556															
Webster	559															
Welsh	542															
Willard	544															
Total		11	273		11350	53		74		272		13366	62		146	
Percent						19.4		27.1					22.8		53.7	
				Group	41.6						Group	49.1				

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CMT

DISTRICT SIX

School	Code	RSB	FULL DAY READG N	M NCE	NxM NCE	<16	%	>50	%	FULL DAY MATH N	M NCE	NxM NCE	<16	%	>50	%
Cook-Wissah	641	1,2,3	89	50	4450	11	12	45	51	88	56	4928	13	15	58	66
Day	620															
Bobson	645	101	26	53	1378	2	8	16	62	26	68	1768	2	8	20	77
Edmonds	621	104,105	56	45	2520	8	14	21	38	56	68	3808	5	9	42	75
Emlen	622															
Fulton	624	106,Annex	58	60	3480	1	2	38	66	58	70	4060	1	2	51	88
Henry	625	110,109,108	84	62	5208	7	8	62	74	84	71	5964	5	6	66	79
Houston	626	108,107,109	80	56	4480	2	3	46	58	79	69	5451	10	13	62	78
Jenks	627	5,1	50	55	2750	5	10	30	60	50	72	3600	3	6	40	80
Kelly	647															
Kinsey	628	B5,B4,B2	78	51	3978	8	10	35	45	78	66	5148	6	8	61	78
Levering	629															
Lingelbach	644	200.200A	56	60	3360	0	0	44	79	55	69	3795	4	7	49	89
Logan	630															
McClosky	631	102,104	59	64	3776	0	0	55	93	60	72	4320	3	5	54	90
Mifflin	632	4,3	52	51	2652	11	21	28	54	52	68	3536	6	12	35	67
Pastorius	633															
Pennell	634															
Pennypacker	635															
Shawmont	638															
Steel	639															
Wister	643															
Total		25	688		38032	55		420		686		46378	58		538	
Percent						8.0		61.0					8.5		78.4	
				Group	55.3						Group	67.6				

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CNT

DISTRICT SEVEN

School	Code	RSB	FULL DAY READG N	M	NCE	MxM	NCE	<16	%	>50	%	FULL DAY MATH N	M	NCE	MxM	NCE	<16	%	>50	%
Barton	720																			
Bethune	751	5,4,2,1	108	40		4320		18	17	20	19	106	34		3604		40	38	34	32
Birney	721																			
Bridesburg	747																			
Carnell	722																			
Creighton	724																			
Edmunds	725																			
Ellwood	726	110,109,100	93	53		4929		3	3	46	49	93	70		6510		7	8	75	81
Feltonville	731																			
Finletter	727																			
Franklin	728																			
Hopkinson	730																			
Howe	732																			
Lawton	733																			
Lowell	735																			
Marshall	736																			
McClure	738																			
Morrison	739																			
Olney	740																			
Prince Hall	749	106,105,103	83	47		3901		4	5	30	36	83	68		5644		2	2	68	82
Rowen	753	101,102,104	93	58		5394		2	2	65	70	92	71		6532		2	2	83	90
Saedley	742																			
Stearne	729	101,103	57	53		3021		3	5	37	65	56	72		4032		2	4	50	89
Sullivan	743																			
Taylor	744																			
Ziegler	746	105	30	49		1470		0	0	10	33	30	62		1860		1	3	21	70
Total		16	464			23035		30		208		460			28182		54		331	72
Percent								6.5		44.8							11.7		72.0	
					Group	49.6								Group	61.3					

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CWT

DISTRICT EIGHT

School	Code	RSB	FULL DAY READG N	M NCE	NxM NCE	<16	%	>50	%	FULL DAY MATH N	M NCE	NxM NCE	<16	%	>50	%
Allen	820															
Brown	821	107, 108	57	60	3420	1	2	38	67	56	67	3752	4	7	46	82
Comly	837															
Crossan	823															
Decatur	842	K1,K2,103,104,105	139	55	7645	14	10	72	52	135	68	9180	12	9	107	79
Disston	824															
Farrell	838	100	27	50	1350	1	4	14	52	27	69	1863	3	11	19	70
Fitzpatrick	839	5,6,7,10,12	142	54	7668	6	4	74	52	137	66	9042	11	8	106	77
Forrest	825															
Fox Chase	826															
Ann Frank	840															
Greenberg	843	108,106	62	69	4278	4	6	58	94	61	88	5368	0	0	61	100
Hancock	818															
Holme	827															
Loesche	844															
Mayfair	830	114,115	60	59	3540	1	2	45	75	60	69	4140	2	3	49	82
Moore	831	102,101,114	88	57	5016	5	6	57	65	88	78	6864	2	2	83	94
Pollock	841	101,100,15	91	54	4914	6	7	51	56	91	70	6370	6	7	71	78
Rhawnhurst	836															
Solis-Cohen	834															
Spruance	835															
Total		23	666		37831	38		409		655		46579	40		542	
Percent						5.7		61.4					6.1		82.7	
				Group	56.8						Group	71.1				

APPENDIX C

CWT ACHIEVEMENT, SPRING, 1988

HALF-DAY KINDERGARTEN BY SCHOOL AND DISTRICT

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CWT

DISTRICT ONE

School	Code	RSB	HALF DAY READG N	M NCE	NxM NCE	<16	%	>50	%	HALF DAY MATH N	M NCE	NxM NCE	<16	%	>50	%
Anderson	146	108a/p	76	51	3876	2	3	31	41	76	58	4408	7	9	54	71
Barry	120	107a,111a/p	89	44	3916	14	16	34	38	89	54	4806	18	20	54	61
Belmont	121	101a/p	55	33	1815	16	29	2	4	54	34	1836	20	37	14	26
Blankenburg	149															
Bryant	123	101a/p,103a	81	48	3888	9	11	38	47	79	51	4029	14	18	49	62
Catherine	125	106a/p,107a/p	104	58	6032	2	2	67	64	103	77	7931	4	4	96	93
Conegys	126	K2a,K1a/p	86	60	5160	5	6	61	71	86	77	6622	4	5	79	92
Baroff	148	110a/p,108a/p	105	36	3780	29	28	11	10	100	46	4600	27	27	52	52
Drew	127	101a/p	18	39	702	1	6	4	22	18	25	450	10	56	2	11
Hamilton	129	128a/p	62	37	2294	16	26	12	19	61	56	3416	9	15	41	67
Harrington	130	A1a/p,A3a/p	114	33	3762	46	40	14	12	111	41	4551	35	32	48	43
Harrity	131	1a/p	59	39	2301	14	24	12	20	59	30	1770	27	46	10	17
Huey	133	104a/p,102a/p	107	44	4708	14	13	35	33	108	42	4536	31	29	59	55
Locke	147															
Lea	134	101a/p	22	46	1012	4	18	5	23	22	50	1100	4	18	13	59
Longstreth	135															
McMichael	136															
Mitchell	137	102a,PTa/p,101a/p	135	43	5805	33	24	54	40	134	43	5762	39	29	72	54
Morton	138	200a/p,208a/p	112	42	4704	15	13	30	27	115	44	5060	23	20	64	56
Patterson	140	101a,102a/p,110a/p	107	44	4708	18	17	41	38	107	47	5029	19	18	54	50
Penrose	144															
Powel	139															
Rhoads	141															
N.Washingto	142															
Wilson	143	B1a/p	35	36	1260	9		4	11	35	47	1645	3	9	18	51
Total			53 1367		59723	247		455		1357		67551	294		779	
Percent						18.1		33.3					21.7		57.4	
				Group	43.7						Group	49.8				

KEY: RSB = Room number
N = Number of children tested
MNCE = Mean Normal Curve Equivalent
NXMNCE = Number of children multiplied by Mean Normal Curve Equivalent
<16 = Number of children scoring below the 16th percentile
% = Percentage of children scoring below the 16th percentile
>50 = Number of children scoring at/above the 50th percentile
% = Percentage of children scoring at/above the 50th percentile

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CNT

DISTRICT TWO

School	Code	RSB	HALF DAY READG N	N MCE	NxN MCE	<16	I	>50	I	HALF DAY MATH N	N MCE	NxN MCE	<16	I	>50	I
Alcorn	220															
Arthur	248	105a/p	44	32	1408	17	39	1	2	43	25	1075	27	63	4	9
Bache Marti	221	102a/p	36	40	1440	6	17	7	19	36	43	1548	7	19	14	39
Bregy	224	K1a,KHa/p,KPa/p,KQa/p	168	46	7728	11	7	53	32	168	56	9408	22	13	107	64
Childs	226															
Durham	230															
Fell	219															
Girard	232	100a/p,101a/p	103	40	4120	30	29	32	31	99	49	4851	24	24	56	57
Greenfield	247				0											
Jackson	251	109a/p	53	35	1855	16	30	6	11	52	39	2028	16	31	21	40
Jenks	252	101a/p	52	62	3224	1	2	32	62	52	73	3796	4	8	41	79
Key	254															
Kirkbride	258	101a/p	21	37	777	5	24	2	10	20	29	580	4	20	4	20
McCall	234	105a/p	39	41	1599	3	8	11	28	39	57	2223	3	8	27	69
Meredith	238	105a/p	54	58	3132	2	4	37	69	54	77	4158	1	2	47	87
McDaniel	237															
Morris	239															
Nebinger	259															
Palumbo	243															
Peirce	240															
Reynolds	242															
Sharswood	263	105a/p,109a/p	68	61	4148	1	1	52	76	67	75	5025	3	4	63	94
Smith	244	101a/p,104a/p	110	43	4730	22	20	35	32	108	51	5508	18	17	67	62
Southwark	264	115a/p	31	50	1550	2	6	16	52	31	66	2046	4	13	22	71
Stanton	245				0							0				
Taggart	269	200a/p,201a	54	36	1944	19	35	9	17	55	37	2035	15	27	19	35
Vare	272															
Waring	249															
G.Washingto	273															
Total			38 833		37655	135		293		824		44281	148	18	492	
Percent						16.2		35.2					18.0		59.7	
				Group	45.2						Group	53.7				

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CNT

DISTRICT FOUR

School	Code	RSE		HALF DAY READG N	N NCE	NxN NCE	<16	%	>50	%	HALF DAY MATH N	N NCE	NxN NCE	<16	%	>50	%
Allen	444	107a/p,109a/p		94	50	4700	8	9	46	49	93	64	5952	9	10	67	72
Blaine	422																
Cassidy	424	31a/p		37	71	2627	0	0	34	92	37	84	3108	1	3	35	95
Cleveland	426																
Dick	427																
Douglass	451																
Duckrey	446	111a/p,128a/p		100	43	4300	12	12	29	29	101	60	6060	12	12	62	61
Gideon	453																
Goapers	428	101a/p		40	52	2080	5	13	22	55	38	65	2470	6	16	31	82
Hanna	429	12a/p,11a/p		96	46	4416	9	9	28	29	96	57	5472	14	15	61	64
Heston	430	112a/p,Port.a		77	41	3157	11	14	17	22	78	37	2886	23	29	28	36
Hill	445																
Kelley	456																
Kenderton	431	101a,103a/p		64	46	2944	6	9	20	31	64	65	4160	5	8	51	80
Lamberton	432	1a/p		47	45	2115	5	11	15	32	47	61	2867	6	13	33	70
Leidy	433	4a/p		46	35	1610	16	35	5	11	45	34	1530	17	38	15	33
Mann	434																
Meade	457																
Peirce	438	3a/p,4a/p		81	39	3159	21	26	19	23	79	42	3318	21	27	36	46
Pratt	439	102a/p		60	42	2520	11	18	12	20	61	51	3111	12	20	36	59
Stanton	440																
Walton	442	113a/p		57	37	2109	14	25	9	16	54	39	2106	15	28	22	41
Whittier	443	8a,9a/p,13a/p		116	38	4408	27	23	18	16	116	41	4756	32	28	55	47
Wright	447	114a/p		47	44	2068	5	11	14	30	47	53	2491	7	15	25	53
Total			41	962		42213	150		288		956		50287	180		557	
Percent							15.6		29.9					18.8		58.3	
					Group	43.9						Group	52.6				

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CNT

DISTRICT FIVE

School	Code	RSB	HALF DAY READG N	M	NCE	NxM	NCE	<16	I	>50	I	HALF DAY MATH N	M	NCE	NxM	NCE	<16	I	>50	I
Adaire	520	109a/p																		
Brown	521	100a/p	37	34		1258		10	27	6	16	37	43		1591		11	30	18	49
Clymer	522	203a/p,100a/p,211Ka	121	39		4719		26	21	23	19	114	41		4674		24	21	50	44
Cramp	547	108a/p,110a/p (05a/p)	116	36		4176		38	33	22	19	117	33		3861		48	41	33	28
Dunbar	525	207a/p	50	35		1750		16	32	3	6	50	39		1950		17	34	19	38
Elkin	526	201a/p,202a/p	106	38		4028		37	35	22	21	79	60		4740		11	14	52	66
Fairhill	528	102a/p,105a	74	41		3034		14	19	19	26	72	41		2952		21	29	34	47
Ferguson	529	3Aa/p,7a/p	93	31		2883		42	45	1	1	93	31		2883		40	43	21	23
Hackett	530	110a/p	60	46		2760		6	10	20	33	61	67		4087		3	5	45	74
Harrison	531	81a/p	43	41		1763		12	28	10	23	41	38		1558		18	44	16	39
Hartranft	532																			
Hunter	533	3a/p,6a	44	46		2024		5	11	17	39	44	62		2728		3	7	30	68
Kearny	548	100a/p	45	32		1440		18	40	1	2	45	36		1620		17	38	16	36
Ludlow	534																			
Moffet	537	112a/p,206a	82	30		2460		45	55	3	4	82	24		1968		52	63	16	20
McKinley	535																			
PotterThoma	539	103Aa/p103La/p	29	37		1073		6	21	5	17	29	47		1363		6	21	17	59
Richmond	540	109a/p	59	53		3127		5	8	34	58	58	62		3596		5	9	43	74
Sheppard	541	100a/p	57	32		1824		19	33	1	2	57	39		2223		18	32	25	44
Sheridan	553	108a/p,101a/p	104	43		4472		20	19	34	33	104	44		4576		27	26	56	54
Sp.Garden	556	105a/p	43	32		1376		5	12	2	5	43	33		1419		17	40	9	21
Webster	559	103a/p,112a/p	118	45		5310		21	18	46	39	118	63		7434		16	14	78	66
Welsh	542	100a/p,102a/p	71	37		2627		17	24	9	13	71	41		2911		21	30	33	46
Willard	544	6a/p,7a/p	83	41		3403		18	22	23	28	84	49		4116		10	12	46	55
Total			64	1435			55507	380		301		1399			62250		385		657	
Percent								26.5		21.0							27.5		47.0	
					Group		38.7							Group		44.5				

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CWT

DISTRICT SIX

School	Code	RSB		HALF DAY READG N	M NCE	MxM NCE	<16	%	>50	%	HALF DAY MATH N	M NCE	MxM NCE	<16	%	>50	%
Cook-Wissah	641																
Day	620	104a/p		58	37	2146	10	17	4	7	58	40	2320	18	31	22	38
Dobson	645																
Edmonds	621																
Emlen	622	107a/p,109a/p		95	43	4085	10	11	17	18	95	44	4180	19	20	51	54
Fulton	624																
Henry	625																
Houston	626																
Jenks	627																
Kelly	647	1a/p,3a/p,4a/p		171	41	7011	25	15	30	18	170	44	7480	41	24	94	55
Kinsey	628																
Levering	629	103a/p		32	48	1536	4	13	15	47	27	64	1728	0	0	21	78
Lingelbach	644																
Logan	630	104a/p,108a		87	43	3741	10	11	22	25	87	67	5829	8	9	65	75
McClosky	631																
Mifflin	632																
Pastorius	633	105a,101a/p,100a/p		98	46	4508	12	12	36	37	91	53	4823	19	21	58	64
Pennell	634	102a/p,105a		87	56	4872	5	6	53	61	85	59	5015	12	14	50	59
Pennypacker	635	101a/p,4a		77	45	3465	9	12	33	43	79	56	4424	11	14	51	65
Shawmont	638	106a/p		47	50	2350	1	2	22	47	46	63	2898	1	2	37	80
Steel	639	107a/p,109a/p		116	45	5220	25	22	44	38	117	50	5850	27	23	62	53
Wister	643	108a/p,109a		78	50	3900	8	10	32	41	78	59	4602	16	21	53	68
Total			38	946		42834	119		308		933		49149	172		564	
Percent							12.6		32.6					18.4		60.5	
					Group	45.3						Group	52.7				

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CNT

DISTRICT SEVEN

School	Code	BSB	HALF DAY READG N	N MCE	NxN MCE	<16	%	>50	%	HALF DAY MATH N	N MCE	NxN MCE	<16	%	>50	%
Barton	720	111a/p,100a/p	76	52	3952	6	8	35	46	77	67	5159	6	8	57	74
Bethune	751															
Birney	721	114a/p,110a/p,109a/p,105a/p	169	40	6760	40	24	47	28	167	43	7181	37	22	84	50
Bridesburg	747	303a/p	61	51	3111	7	11	28	46	61	58	3538	8	13	41	67
Carnell	722	101a/p,104a	89	53	4717	7	8	44	49	87	59	5133	12	14	57	66
Creighton	724	101a/p	51	40	2040	10	20	10	20	51	39	1989	13	25	22	43
Edmunds	725	101a/p,105a/p	100	61	6100	9	9	68	68	102	71	7242	9	9	85	83
Ellwood	726															
Feltonville	731	1a/p	63	43	2709	5	8	16	25	63	49	3087	13	21	32	51
Finletter	727	102a/p,101a/p	75	43	3225	14	19	24	32	73	49	3577	13	18	35	48
Franklin	728	6a/p,9a	56	49	2744	5	9	26	46	56	57	3192	8	14	36	64
Hopkinson	730	P-1a/p	46	44	2024	10	22	17	37	46	49	2254	6	13	24	52
Hove	732	7a/p	34	49	1666	1	3	15	44	33	74	2442	2	6	27	82
Lawton	733	104a/p,102a/p	121	56	6776	3	2	76	63	118	65	7670	6	5	82	69
Lowell	735	105a/p,107a,108a/p	143	46	6578	20	14	53	37	143	49	7007	26	18	77	54
Marshall	736	106a/p	68	42	2856	14	21	18	26	67	63	4221	5	7	45	67
McClure	738	Porta/p,C-1a/p,C-2a/p	131	37	4847	29	22	22	17	129	41	5289	29	22	53	41
Morrison	739	T-11a/p,T-12a/p	83	50	4150	5	6	36	43	82	70	5740	4	5	69	84
Olney	740	A-1a/p	51	36	1836	15	29	7	14	51	35	1785	17	33	18	35
Prince Hall	749															
Rowen	753															
Saedley	742	Pa/p,109a	88	45	3960	9	10	29	33	88	51	4488	15	17	46	52
Stearne	729															
Sullivan	743	103a/p,101a/p	99	44	4356	12	12	30	30	98	41	4018	27	28	51	52
Taylor	744	B4a/p,B5a/p	56	35	1960	10	32	7	13	55	32	1760	24	44	14	25
Ziegler	746															
Total			70 1660		76367	239	14	608		1647		86772	280		955	
Percent						14.4		36.6					17.0		58.0	
				Group	46.0						Group	52.7				

C-6

KINDERGARTEN, SPRING 88 ACHIEVEMENT, CMT

DISTRICT EIGHT

School	Code	RSB	HALF DAY READG N	N MCE	NxN MCE	<16	%	>50	%	HALF DAY MATH N	N MCE	NxN MCE	<16	%	>50	%
Allen	820	101 a/p	59	64	3776	0	0	48	81	59	76	4484	0	0	56	95
Brown	821															
Conly	837	101 a/p	60	53	3180	2	3	32	53	60	55	3300	8	13	39	65
Crossan	823	K2a/p,K1p	68	64	4352	1	1	57	84	68	74	5032	0	0	56	82
Decatur	842															
Disston	824	101a/p,108a/p	98	51	4998	4	4	49	50	98	61	5978	15	15	69	70
Farrell	838															
Fitzpatrick	839															
Forrest	825	103a/p,102a/p,101a/p	157	50	7850	13	8	79	50	148	65	9620	15	10	115	78
Fox Chase	826	B1a/p	58	53	3074	4	7	33	57	58	70	4060	2	3	47	81
Ann Frank	840	108a/p	58	64	3712	2	3	47	81	58	69	4002	5	9	51	88
Greenberg	843															
Hancock	818	211a,219a/p	84	51	4284	8	10	42	50	84	68	5712	3	4	73	87
Holme	827	62a/p,64a/p,65a/p	158	47	7426	24	15	67	42	159	59	9381	17	11	98	62
Loesche	844	B2a,B5a/p	98	48	4704	13	13	38	39	98	55	5390	15	15	63	64
Mayfair	830		60	59	3540	1	2	45	75	60	69	4140	2	3	49	82
Moore	831															
Pollock	841															
Rhawnhurst	836	100a/p	47	48	2256	2	4	17	36	48	63	3024	3	6	37	77
Solis-Cohen	834	25a/p	61	49	2989	6	10	29	48	61	62	3782	7	11	45	74
Spruance	835	120a/p,118a	55	60	3300	4	7	38	69	53	76	4028	1	2	46	87
Total			40 1121		59441	84		621		1112		71933	93		844	
Percent						7.5		55.4					8.4		75.9	
				Group	53.0						Group	64.7				